

# Assumptions

## Assumption 1:

The cinema only allows customers to **buy tickets offline (in the cinema)**.

## Assumption 2:

**One person can buy multiple tickets.** The cinema staff needs to **specify how many tickets will be sold** to a customer when performing the "Sell Tickets" use case.

## Assumption 3:

Refunds are not allowed.

## Assumption 4:

The cinema staff should only be able to sell tickets up to the capacity of the screen. If the cinema staff attempts to sell any more tickets than the screen capacity, there should be an error.

## Assumption 5:

Consider each seat as the same, so that the system does not allocate the seat number for each ticket sold.

## Assumption 6:

Cinema staff can only **reschedule** a movie screening (timeslot and screen) to another available timeslot and screen **on the same day**.

If cinema staff tries to move a currently scheduled movie screening to a different one, he/she should first cancel that movie screening and schedule a new one on the right

day.

### **Assumption 7:**

The cinema staff can display the scheduled **times** for **movie screening** in **one day at a time** and which **screen** they are being shown on as well as the **number of tickets sold** for each and the **capacity of the screens for any day** (past days, today and future days).

### **Assumption 8:**

The cinema staff can **schedule, reschedule, cancel** movie screenings for the **current day** and the **next coming days** as long as there are **no tickets sold for that movie screening**.

### **Assumption 9:**

The cinema staff can **sell tickets for the current day** and the **next coming days** as long as there are **left tickets for that movie screening**.

### **Assumption 10:**

The cinema staff can reschedule an existing movie screening to a different available screen without changing the start time no matter there are tickets that have been sold for that screening. However, he cannot reschedule an existing movie screening to a different start time if there are already tickets sold for that screening.